



## Tactical Automated Mission Planning System

21 March 1997

<http://tamps6.mugu.navy.mil:1080>

### CAPTAIN's CORNER

by CAPT Ted Spilman

TAMPS 6.1 continues to receive very positive feedback with the fleet at NSA WC in conjunction with the CVW-1 and CVW-9 evaluations. This is the beginning of the long awaited fleet acceptance for the product. From the program office, it appears that this is acting as the catalyst that is moving the entire team, from inside the Beltway to Mugu to all the MPM development sites, forward with a common purpose. TAMPS is truly on the move!

Newest team developments: TAMPS 2000, a co-development with USAF consisting of Navy-PFPS and the 7.0 architecture, is gaining great support throughout the Pentagon; ATIMS, our future systems Sensor-to-Shooter effort is continuing to gain supporters throughout DoD; and the evaluation of our new hardware systems is promising significant increases in fleet capability later this year.

Our team focus, however remains clearly on the successful delivery and support of TAMPS 6.1. Meeting the Fleet's need is our number one job.

Keep the shiny side up,  
Spunk

### TAMPS HIGHLIGHTS

#### *JSOW Strike - Fallon*

by CAPT Mayberry, USMC

On 18 March, aircrew for VFA-146 Blue Diamonds flew as part of a 15 plane strike mission carrying a captive JSOW. The JSOW mission was planned with TAMPS 6.1, loaded into a DSU along with waypoints, radar sets, GPS Almanac, and GPS Crypto data. The mission was loaded onto an F/A-18 and flown with no problems to report. We want to thank our teammates that supported us with the CYZ-10 cable and JSOW pre-processors.

#### *SLAM ER DT-1 Launch*

by Darin Martin

The SLAM ER DT-1 launch at 1300 on 18 March was a success. A formal announcement will be made by PMA-258. Congratulations to the SLAM ER development, test, and mission planning groups. Bringing this all together is a major accomplishment. Also, thanks to F/A-18 for their superb support. Mission planning consisted of TAMPS 6.0.5, early versions of 13C and SLAM ER MPMs, and common weapon preprocessor. Kudos to everyone.

### UPCOMING MAJOR EVENTS

12 Mar	CVW-9 Training @ NSA WC Fallon
24-28 Mar	TAMMAC Core Extension High Level Design Peer Review
24-25 Mar	Hardware IPT Meeting @ NAVAIR
25 Mar	TAMPS Process Meeting @ NAVAIR
25 Mar	6.2 JSIPS-N Core Extension SRR @ PM
26-27 Mar	6.2 FUIWG @ PM
31 Mar	ESC @ NC1 Rm 5500
3 Apr	6.2 Engineering Offsite @ Lockheed Martin in Camarillo
7 Apr	Joint Strategy Session @ Pentagon
8-9 Apr	IMPWG @ San Diego
15 Apr	6.2 PDR @ PM
16 Apr	6.1 Pre-OTRR @ NAVAIR
16 Apr	E-2C FMS Baseline Peer Review
21 Apr	N-PFPS TIM @ Eglin
22 Apr	6.1 OTRR @ NAVAIR, JP-2 Rm 110 (@ 1000)
28 Apr-	
2 May	OAG @ NSA WC Fallon
13 May	ESC @ NAVAIR

## Fallon Det

By LT Noyes

Flew in the F-14D safety/photo chase for the SLAM ER live-fire. Used TAMPS 6.1 for the evolution.

We had 30 minutes between the brief and the takeoff time. With a 13 point route, that we were to precisely fly (thanks to GPS) - we had to stay within the area, we were able to quickly create the route and save it off as a flight plan, then, add warning area boundaries for the flight as part of a tactical waypoint file (so that we could box out the area around us).

We were out of there in under 30 minutes with a brick full of useful data that made life a lot easier in the cockpit (no finger fires trying to punch in all those points in the cockpit while trying to do other things). The flight went very smoothly!

## TAMPS PRODUCTS

### TAMPS 6.1

by Kathey Bailey/Jim Mueksch

#### Programmatics

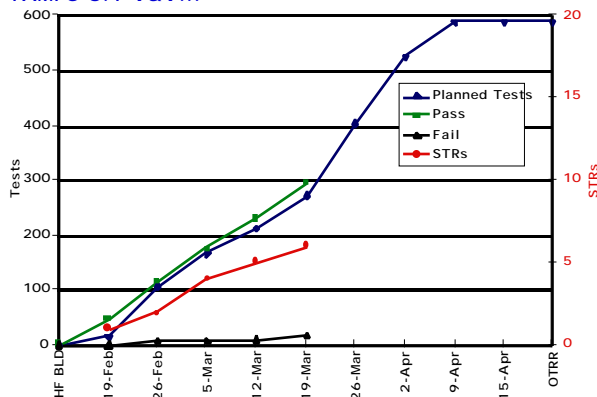
Reissue of updated flight clearance to clarify details is forthcoming. IPT is working to establish a standard TAMPS flight clearance procedure. This procedure will set the ground rules for future TAMPS flight clearances.

VX-9's OT report on 6.0.5 is under review for lessons learned. This will ensure TAMPS is being improved in the recommended areas.

#### Testing

Statements of Test and Thread Tests are complete. Metrics show that we are slightly ahead of schedule for Regression and STR testing. MPMs are reporting no problems. All testing on track to meet OTRR schedule.

TAMPS 6.1 V&V...



## In-Service Support Engineering

Logistics. "Train the Trainers" sessions for 6.1 are scheduled for May and June at NMIC and SWATSCOLPAC.

Engineering. Completed the installation and test of the disk and CD ROM upgrade for the shipboard DTC-2 at NRaD IAW the ECP approved by the CCB. Preparing the equipment for the same upgrade aboard CV-64 and CV-67 scheduled for installation during the next couple of weeks.

Integration. We finally received direction from AIRPAC on distribution of the last FY96 Ace. The system has been integrated and is being prepared for shipment to the SLAM folks at Pt Mugu. They're going to load the SLAM MPM prior to install at CVW-2. When finished, this installation will mark the completion of what was originally known as the FY95/FY96 TAMPS Install schedule of 6.0.

A Telos representative visited NRaD to complete four more ACE V3 retrofits this week. Only 21 of 122 left to finish. We're 83% complete.

### TAMPS 6.1.1

by Kathey Bailey/Jim Mueksch

#### Programmatics

6.1.1 Master program schedule has been negotiated. Currently, the team is working to provide loaner ULTRA units to support development. Fleet delivery is planned for meeting the CAG-1 deployment in the Fall.

#### Testing

Build 1 Available	3 April
Core Freeze	1 May
MPM due at PM	1 May
Soft Freeze	15 May
Hard Freeze	3 June

## In-Service Support Engineering

Engineering. Continuing efforts on the Ultra 2 integration. Also, performing analysis of heat issue with the Trimm tower.

Integration. Continuing efforts to accomplish warranty repairs on Ultra 2 systems.

### TAMPS 6.2

by Dave Vennemann/Sandy Long

#### Testing

Supporting schedule to meet the 26-27 March FUIWG. HMI STRs will be reviewed for approval. The proposed HMI Style Guide will be presented for approval.

A 6.2 Engineering Offsite is scheduled for 3 April at the Lockheed Martin Camarillo Facility from 0830-1630.

The JSIPS-N Core Extension SRR is scheduled at Point Mugu starting at 1300 on 25 March. This will be held before the FUIWG to aid the MPM customers. JSIPS-N will make a presentation at the FUIWG on their Core Extension.

Finally, the MIDB 2.0 software has been received by Point Mugu. This software will help us meet schedule.

## **TAMMAC**

by Richard Busse

We are working with Core and MDA on the Core Extension interface issue. COMPLETED document inspection of the TAMMAC PC Card Interface and TAMMAC Integration high level design information. We are continuing to work with PMA-209 to obtain a waiver for the development of PC Card testing algorithms by TAMPS Core. Our Feasibility Analysis for the PC Card SOR assumed that GFE algorithms and software would be provided by the TAMMAC program (the same algorithms used in the AMU). We are assessing whether there will be a cost impact to implement this change.

## ***Systems Engineering***

Class Desk is working closely with 6.2 IPT to identify software anomalies to be fixed in 6.2. First, we are establishing the proper focus for this release, then, we will apply that focus to filter STRs which do not support our goals. The STRs which contribute to the focus of 6.2 will be prioritized and assessed for the SSA's ability to correct them within allotted cost, staffing, and schedule.

Risk management inputs from MPMs and field activities are being collated and assessed by the Class Desk using the Software Engineering Institute's taxonomy. The most frequently identified risks will be presented to the 6.2 IPT to prioritize and develop mitigation strategies.

## ***In-Service Support Engineering***

Engineering. Efforts continue on the DTC-2 Replacement study and Server analysis. Also, we have started procurement procedure to renew Sybase maintenance and get version 11 upgrades to the SSA for 6.2 development.

## **TAMPS 7.0**

by Micheline Lopez-Estrada/Dave Pearson

## ***Programmatics***

We are coordinating with the USAF for the Strategy Meeting on 7 April.

## ***Systems Engineering***

CAPT Mayberry, USMC, as TAMPS Model Manager, sent out a message to convene an OAG at Fallon 28 April - 2 May.

## **FUTURE SYSTEMS**

by Roger Logan

Completed participation in USMC Hunter Warrior exercise with ATIMS equipped AH-1 Cobra. Exercise was successful and demonstrated first use of ATIMS with direct integration of "on aircraft" sensors.

The 7.0 Architecture Team met in San Diego to review the framework for our new architecture. This review included visits to GDE and SAIC to determine the availability of existing frameworks that could be purchased and adapted for our application.

We briefed Vice Admiral Cebrowski concerning additional requirements to transition ATIMS to N880 for development and production and continued N6 support until transition can occur.

## **FOREIGN MILITARY SALES**

by Oreta Stinson/Paola Carrasco

Received decision from French to procure Ultra 2 hardware for 6.1.1 with scheduled delivery in October 1997. Working with E-2C MPM as part of the French TAMPS FMS effort. We look forward to teaming up with the NRAD San Diego group in our efforts to support our FMS customer.

Continued coordination of FMS schedule. PMA-233 will release the final program schedule for the TAMPS portion of the French E-2C FMS effort.

We are preparing to send final IDB database schema modifications to DIA (Defense Intelligence Agency) for approval. The schema will be copied to 8mm tape and sent to DIA, where they will review the contents for releasability to the French. Once approved, we will need ONI approval before disclosing this information to our FMS customer.